

AMENDMENTS TO CLAIMS

1. (Currently Amended) A method for resizing an image using an inverse discrete cosine transform (IDCT), the method comprising the steps of:

(a) checking an encoding type of an original source image and an encoding type of a discrete cosine transformed macro ~~block~~blocks;

(b) selectively converting the encoding type of said macro ~~block~~blocks so that the encoding type of said macro ~~block~~blocks coincides with the encoding type of said original source image, only if the checked two encoding types are different; and

(c) selectively enlarging said converted macro ~~block~~blocks and macro blocks that have not been converted using the inverse discrete cosine transform; and

(d) merging the enlarged macro blocks to thereby enlarge the original source image.

2. (Original) The method as set forth in claim 1, wherein in said step (a), the encoding type of said original source image is identified as either a field type or a frame type by using at least progressive_sequence information or picture_structure information.

3. (Original) The method as set forth in claim 1, wherein in said step (a), the encoding type of said macro block is identified as either a field type or a frame type by using DCT_type information contained in a header of said macro block.

4-5. (Canceled).

6. (Original) The method as set forth in claim 1, wherein said original source image is received through a digital broadcast.

7. (Original) The method as set forth in claim 1, wherein said original source image is reproduced from an optical disk.

8. (Original) The method as set forth in claim 1, wherein if the encoding type of said original source image is a frame type and the encoding type of said macro block is a field type, then said step (b) converts the encoding type of said macro block from the field type into a frame type.

9. (Original) The method as set forth in claim 1, wherein if the encoding type of said original source image is a field type and the encoding type of said macro block is a frame type, then said step (b) converts the encoding type of said macro block from the frame type into a field type.

10. (Currently Amended) An apparatus for resizing an image using an inverse discrete cosine transform (IDCT), the apparatus comprising:

detecting means for detecting an encoding type of ~~a-macro block~~blocks;

converting means for converting the encoding type of said macro ~~block~~blocks to either a field type or a frame type;

control means for detecting an encoding type of an original source image, and selectively controlling said converting means so that the encoding type of said macro ~~block~~blocks is converted into the encoding type of said original source image, only if the encoding types of said macro ~~block~~blocks and said original source image are different; and

enlarging means for selectively enlarging said macro ~~block~~blocks received from said converting means and macro blocks that have not been converted using the inverse discrete cosine transform; and

merging means for merging the enlarged macro blocks to thereby enlarge the original source image.

11. (Original) The apparatus as set forth in claim 10, wherein said detecting means identifies the encoding type of said macro block as either a field type or a frame type by examining DCT_type information contained in a header of said macro block.

12. (Original) The apparatus as set forth in claim 10, wherein said control means identifies the encoding type of said original source image as either a field type or a frame type by examining at least progressive_sequence information or picture_structure information.

13. (Canceled).

14. (Canceled).

15. (Original) The apparatus as set forth in claim 10, wherein said original source image is received through a digital broadcast.

16. (Original) The apparatus as set forth in claim 10, wherein said original source image is reproduced from an optical disk.

17. (Original) The apparatus as set forth in claim 10, wherein if the encoding type of said original source image is a frame type and the encoding type of said macro block is a field type, then said converting means converts the encoding type of said macro block from the field type into a frame type.

18. (Original) The apparatus as set forth in claim 10, wherein if the encoding type of said original source image is a field type and the encoding type of said macro block is a frame type, then said converting means converts the encoding type of said macro block from the frame type into a field type.

19. (Currently Amended) An apparatus for resizing an image using an inverse discrete cosine transform (IDCT), the apparatus comprising:

(a) means for checking an encoding type of an original source image and an encoding type of a discrete cosine transformed macro ~~block~~blocks;

(b) means for selectively converting the encoding type of said macro ~~block~~-blocks so that the encoding type of said macro ~~block~~-blocks coincides with the encoding type of said original source image, only if the checked two encoding types are different; and

(c) means for selectively enlarging said converted macro ~~block~~-blocks and macro blocks that have not been converted using the inverse discrete cosine transform; and

(d) means for merging the enlarged macro blocks to thereby enlarge the original source image.

20. (Canceled).